

MEETING MINUTES FROM THE
MARICOPA ASSOCIATION OF GOVERNMENTS
STANDARD SPECIFICATIONS AND DETAILS COMMITTEE

May 7, 2008

Maricopa Association of Governments Office, Cholla Room
302 North First Avenue
Phoenix, Arizona

AGENCY MEMBERS

Jim Badowich, Avondale
Steven Borst, Buckeye
Warren White, Chandler
Dennis Teller, El Mirage
Kelli Kurtz, Gilbert
Tom Kaczmarowski, Glendale
Troy Tobiasson, Goodyear
Bob Herz, MCDOT

Gordon Haws, Mesa
* Jesse Gonzalez, Peoria
Jeff Van Skike, Phoenix (St. Trans.)
Larry Smith, Phoenix (Water)
Mark Palichuk, Queen Creek
* Rodney Ramos, Scottsdale
Loren Kelley, Surprise
James Bond, Tempe

ADVISORY MEMBERS

John Ashley, ACA
Jeff Benedict, AGC
Brian Gallimore, AGC
Peter Kandarisi, SRP, Vice Chairman
James Carusone, ARPA

* Adrian Green, ARPA
Paul R. Nebeker, Independent
* William Ast, NUCA
Dale Phelan, NUCA

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Arturo Chavarria, Hansen Pipe and Precast

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:34 p.m.

2. Approval of Minutes

The members reviewed the April 2, 2008 meeting minutes. Troy Tobiasson introduced a motion to accept the minutes as written. Jeff Van Skike seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2007 Cases (old cases)

a. **Case 07-02 – Revisions to Asphalt Concrete, Sections 321 and 710:** Major re-writes of Asphalt Concrete placement and materials Sections 321 and 710 as proposed by the Asphalt Paving Technical Committee (APTC). Jeff Benedict gave a progress report on the latest APTC meeting for resolving comments. Work on Section 321 is complete (copy provided in the handouts). APTC will work on Section 710 comments at the next meeting. APTC will meet at the ARPA offices (916 W. Adams Street, Phoenix) on May 15th at 11:30 a.m. to continue the work. Members were requested to review Section 321 and return with comments for the next meeting.

b. **Case 07-03A – PVC Catch Basins, Proposed New Details 535-2, 535-3, 537-2 & 539-2. Case 07-03B – Inlet Structures, Proposed New Details 542-1 through 4 & 543-1 through 5:** Details to allow the use of PVC catch basins and inlet structures. Revised details were provided to members in their packets that addressed all previous comments. Discussion by the committee included the potential for damage to PVC catch basins from fire and ultraviolet rays, appropriateness of PVC catch basins in the Right-Of-Way, and approval of PVC catch basins by other agencies. Dale Phelan will provide light and aging study information at the next meeting. Members were requested to discuss within their agencies their expected use of PVC catch basins.

c. **Case 07-08 – Revision to Section 615.2, Sewer Line Construction:** Provide water ponding tolerances inside sewer pipe. The committee had no discussion on this item. Mark Palichuk will prepare and update for the next meeting.

d. **Case 07-11 – Revision to Detail 370, Vertical Realignment of Water Mains:** Include an option for realignment of ductile iron mechanical joint. The committee had no discussion on this item. Jesse Gonzalez will have revisions for the next meeting.

e. **Case 07-12 – Revision to Detail 404-2, Water & Sanitary Sewer Separation/Protection:** Adding language to clarify the location of pipe and joint restraints to insure that fittings/couplings do not fail and create cross-contamination. The committee had no discussion on this item. Jesse Gonzalez will have revisions for the next meeting.

4. 2008 Cases (new cases)

a. **Case 08-01 – Revisions to Borrow Excavation, Section 210:** Defining acceptance criteria for import borrow material. Bob Herz provided revisions based on comments

from the last meeting. After discussion on the revisions, members were requested to be prepared to vote on this case at the next meeting.

b. **Case 08-02 – New Section 317, Asphalt Milling:** Construction requirements for milling existing asphalt concrete. Bob Herz provided revisions based on comments from prior meetings. Brian Gallimore recommended that wording be included to insure that the contractor not be responsible for damage to unknown below grade hazards as long as due diligence is performed during locating. Brian was requested to provide suggested language to define contractor due diligence for locating below grade milling hazards. Brian also asked that the new section requiring contractors prevent tearing and breakout of underlying or adjacent material be re-worded to define conditions so the contractor is only responsible when machine operation is at fault. Other discussion by the members noted that the section should include a requirement for electronic equipment controls, a requirement for clean straight edges and a discussion on damage caused by contractor negligence with an allowance for incidental concrete nicks and scratches. Bob will prepare revisions for the next meeting based on the discussions.

c. **Case 08-03 – New Section 325, Asphalt – Rubber Concrete Overlay, Gap Graded:** Material and construction requirements for gap-graded asphalt-rubber concrete used as an asphalt pavement. The committee had no discussion on this item. Bob Herz will prepare revisions for the next meeting based on earlier comments. Members were requested to continue reviewing the new section and provide any additional comments at the next meeting.

d. **Case 08-04 – New Details 180-1 & 180-2, Portable Water Tank Fill Pipe and Backflow Prevent Details:** Approved methods for filling portable water tanks and trucks. The committee had no discussion on this item. Warren White will prepare an update for the next meeting based on earlier comments. Members were requested to continue reviewing the details and provide any additional comments at the next meeting.

e. **Case 08-05 – Revisions to Safety Post Detail 140:** A revision to incorporate multiple agency safety post designs and include hazard marker requirements with the existing safety post detail. Peter Kandarlis provided the SRP standard detail for removable safety poses as reference for use in the new detail. Warren White will prepare an update for the next meeting based on all comments received to date. Members were requested to continue reviewing the revisions and provide any additional comments at the next meeting.

f. **Case 08-06 – Modification to Storm Drain Construction, Section 618.3:** Additions to include leakage test procedures for HDPE storm drain pipes and require video inspection before final paving is allowed. Jeff Van Skike reviewed the case and stated that only HDPE and corrugated metal pipe should require leakage testing since few leakage problems have been encountered with concrete pipe. The committee discussed problems related to leaking HDPE pipes, noting that these problems may relate to confusion with the requirements for construction of water-tight versus soil-tight pipes.

Dale Phelan stated that properly installed water-tight HDPE pipe should not leak. Jeff Van Skike will prepare revisions based on the discussions from this and earlier meetings.

g. **Case 08-07 – Modification to Measurements and Payment, Section 109:** Revisions to better define compensation with change orders. Bob Herz requested additional revisions to the section to incorporate existing county supplemental specifications. Gordon Haws will review the suggested additions and provide modifications at the next meeting. Committee members were requested to continue reviewing the proposed changes and return with comments for the next meeting.

h. **Case 08-08 – Modification to Subgrade and Trench Compaction, Sections 301.3 and 601.4:** Revisions to modify subgrade compaction requirements and include tolerances for optimum moisture. Bob Herz requested additional revisions to section 301 to incorporate existing county supplemental specifications and Peter Kandaridis provided suggested wording for compaction under various conditions. Tom Kaczmarowski recommended broadening the optimum moisture content tolerance to plus 2 percent to minus 4 percent to include a wider variety of soils types and provide more generic default values. Gordon Haws will review the suggested additions and provide modifications at the next meeting. Committee members were requested to continue reviewing the proposed changes and return with comments for the next meeting.

i. **Case 08-10 – Modification to Trench Backfill and Pavement Replacement, Detail 200, Section 336 and Section 601:** Revisions to eliminate numerous agency trench backfill and pavement replacement supplemental details by combining the most common practices. The committee had no discussion on this item. Committee members were encouraged to review the proposal and return with comments for the next meeting.

j. **Case 08-11 – Revisions to Driveway Entrance Detail 250:** Changes to make sidewalk installations in driveway entrances ADA compliant. The committee had no discussion on this item. Bob Herz will prepare an update for the next meeting based on earlier comments. Members were requested to continue reviewing the new section and provide any additional comments at the next meeting.

k. **Case 08-12 – New Section 331, Microsealing, and Section 714, Microsurfacing Materials:** New sections for pavement microsurfacing materials and placement. The committee had no discussion on this item. Committee members were requested to continue reviewing the new sections and return with comments for the next meeting.

l. **Case 08-13 – Modification to Manhole, Valve Box and Water Meter Box Adjustments, Section 345:** Revisions to require contractors be responsible for locating utilities during surface improvement projects to insure adjustments are performed. Bob Herz recommended changing the wording in the first sentence as follows “The contractor ~~responsible for the surface improvement, i.e., concrete and/or asphalt paving,~~ shall also be responsible for the careful identification and location of all utility devices requiring ~~future~~ adjustment within the new pavement section, including manholes, water valves, sewer clean-outs, vaults, etc.” Discussion followed pertaining to problems encountered

with utility identification and marking for developer/permit work when various contractors are working independently for developers. The members discussed other items including clarifying or defining the term “surface improvement” and broadening the wording for described locating devices to include allow any appropriate method. Jeff Van Skike will prepare an update for the next meeting based on the comments. Members were requested to continue reviewing the new section and provide any additional comments at the next meeting.

m. **Case 08-14 – Revisions to Utility Pothole Repair Detail 212:** Revision to MAG Detail 212 to allow multiple backfill and asphalt concrete materials for repair of utility potholes. Jeff Van Skike summarized the case. Peter Kandarlis provided a handout showing the advantages and disadvantages of various pothole backfill material options. The members discussed bedding requirements around utilities and agreed that asphalt replacement should be at least 6 inches thick or match existing, whichever is greater. Jeff Van Skike will prepare an update for the next meeting based on the comments. Members were requested to continue reviewing the new section and provide any additional comments at the next meeting.

5. General Discussion:

Bob Herz stated that the last meeting this year for presenting new cases will be July 2nd.

John Ashley gave a summary report on the progress of the supplement reduction work group. He also requested that agencies report when they have modified their supplements to reduce or eliminate agency-specific requirements.

John Ashley announced that the concrete modernization working group will next meet at 1:30 pm on Wednesday, May 14th at the ARPA offices (916 W. Adams Street, Phoenix).

Jeff Benedict commented about possible impacts on pavement material availability from rising prices in the asphalt/oil market. He noted that current dramatic oil price increases are driving an effort to evaluate recycling old asphalt concrete pavement into new hot mixes. Jeff noted that agencies may need to develop policies for the use of these materials.

Dale Phelan announced that Advanced Drainage Systems is sponsoring a seminar on the how HDPE underground products can be used in project designs that are eligible for LEED (Leadership in Energy and Environmental Design) credits. Dale will email a flyer on the seminar to all committee members.

6. Adjournment:

The meeting was adjourned at 3:13 p.m.